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	4,608,199	8/26/1986	Caplan et al.			
	4,619,989	10/28/1986	Urist			
	4,623,588	11/18/1986	Nuwayser et al.		1	
	4,627,982	12/9/1986	Seyedin et al.			
75	4,703,108	10/27/1987	Silver et al.	1	1	
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Atty. Docket No.	8636.0001-02	Serial No.		09/986,6	₂₅ J	ANIZ
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		U.S. PATENT	OCUMENTS			
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date
ZI	4,711,783	12/8/1987	Huc et al.	t	1	
OIPE	4,741,337	5/3/1988	Smith et al.			•
र है	4,744,365	5/17/1988	Kaplan et al.			
JAN 5 2002	4,761,471	8/2/1988	Urist			
	4,776,890	10/11/1988	Chu			
JAN 5 2002	4,789,732	12/6/1988	Urist			
	4,795,804	1/3/1989	Urist			
	4,798,786	1/17/1989	Tice et al.			
	4,800,159	1/24/1989	Mullis et al.			
	4,804,744	2/14/1989	Sen			
	4,806,523	2/21/1989	Bentz et al.			
	4,816,437	3/28/1989	Nimberg et al.			
	4,818,542	4/4/1989	DeLuca et al.			
	4,833,125	5/23/1989	Neer et al.			
7.3	4,837,285	6/6/1989	Berg et al.			
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date
TOLO	4,839,130	6/13/1989	Kaplan et al.	1	1	,
	4,844,854	7/4/1989	Kaplan et al.			
TRANCH EN CHILLE	4,865,846	9/12/1989	Kaufman			
5 200	4,877,864	10/31/1989	Wang et al.			,
THE STATE OF THE S	4,882,150	11/21/1989	Kaufman			
MADK	4,889,119	12/26/1989	Jamiolkowski et al.			
	4,898,186	2/6/1990	lkada et al.			
	4,898,734	2/6/1990	Mathiowitz et al.			
	4,902,508	2/20/1990	Badylak et al.			
	4,916,193	4/10/1990	Tang et al.			
	4,938,763	7/3/1990	Dunn et al.			
	4,946,450	8/7/1990	Erwin			
	4,952,402	8/28/1990	Sparks et al.			
	4,956,178	9/11/1990	Badylak et al.			
+5	4,957,902	9/18/1990	Grinnell	1		,
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		U.S. PATENT	DOCUMENTS			
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date
SIPE	4,961,707	10/9/1990	Magnusson et al.		1_1_	
4	4,968,590	11/6/1990	Kuberasampath et al.			
5 2002	14 . 1	12/4/1990	Koezuka et al.			
E. .8	4,988,358	1/29/1991	Eppley et al.			
TRANSMARK CE	5,001,169	3/19/1991	Nathan et al.			
	5,004,602	4/2/1991	Hutchinson			
	5,007,939	4/16/1991	Delcommune et al.			
	5,011,691	4/30/1991	Oppermann et al.			
	5,011,692	4/30/1991	Fujioka <i>et al.</i>			
	5,013,649	5/7/1991	Wang et al.			
	5,035,893	7/30/1991	Shioya et al.			
	5,037,749	8/6/1991	Findlay			
	5,039,660	8/13/1991	Leonard et al.			
	5,041,138	8/20/1991	Vacanti et al.			
75	5,051,272	9/24/1991	Hermes et al.			
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		U.S. PATENT	DOCUMENTS				
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date	
12.6	5,059,123	10/22/1991	Jernberg	1	1		
41 , 69	5,077,049	12/31/1991	Dunn et al.				
JAN 1 STORY	5,080,665	1/14/1992	Jarrett et al.				
A CALL	5,081,106	1/14/1992	Bentley et al.				
THE NAME OF THE PERSON OF THE	5,084,051	1/28/1992	Törmälä et al.				
	5,103,840	4/14/1992	Kavoussi				
	5,106,626	4/21/1992	Parsons et al.				
	5,106,748	4/21/1992	Wozney et al.				
	5,108,753	4/28/1992	Kuberasampath et al.				
	5,108,755	4/28/1992	Daniels et al.				
	5,108,922	4/28/1992	Wang et al.				
	5,110,604	5/5/1992	Chu et al.				
	5,116,738	5/26/1992	Wang et al.				
	5,118,667	6/2/1992	Adams et al.				
75	5,120,322	6/9/1992	Davis et al.		1		
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•			U.S. PATENT	DOCUMENTS				
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1,5,	8	5,124,155	6/23/1992	Reich			1	
MAN 5 2002	יים עו	5,128,136	7/7/1992	Bentley et al.				
E	A.	5,128,326	7/7/1992	Balazs et al.				
MANEMARK.		5,133,755	7/28/1992	Brekke				
		5,137,669	8/11/1992	Leonard et al.				
		5,141,905	8/25/1992	Rosen et al.				
		5,143,730	9/1/1992	Fues et al.				
		5,162,114	11/10/1992	Kuberasampath et al.				
		5,162,430	11/10/1992	Rhee et al.				
		5,164,368	11/17/1992	Recker				
		5,166,058	11/24/1992	Wang et al.				
	1	5,168,050	12/1/1992	Hammonds, Jr. et al.				
		5,169,837	12/8/1992	Lagarde et al.				
		5,171,217	12/15/1992	March et al.				
75		5,171,574	12/15/1992	Kuberasampath et al.			1	
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TIS	5,171,579	12/15/1992	Ron et al.	1		
JAN 1 5 2002 H	5,171,670	12/15/1992	Kronenberg et al.			
JAN 1 5 2002 y	5,185,152	2/9/1993	Peyman			
MADENDAY	5,187,076	2/16/1993	Wozney et al.			
Signiy	5,192,741	3/9/1993	Orsolini et al.			
	5,196,185	3/23/1993	Silver et al.			
	5,197,977	3/30/1993	Hoffman, Jr. et al.			
	5,206,028	4/27/1993	Li			
	5,208,041	5/4/1993	Sindrey			
	5,219,740	6/15/1993	Miller et al.			
	5,223,263	6/29/1993	Hostetler et al.			<u></u>
	5,227,157	7/13/1993	McGinity et al.			
	5,236,456	8/17/1993	O'Leary et al.			
	5,250,302	10/5/1993	Oppermann et al.			
TS	5,250,584	10/5/1993	Ikada et al.			
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61PS	5,258,494	11/2/1993	Oppermann et al.	1	1		
68	5,263,985	11/23/1993	Bao et al.				
JAN 1 5 2002 &	5,264,618	11/23/1993	Felgner et al.				
	5,266,683	11/30/1993	Oppermann et al.				
TO MADEWARK	5,268,178	12/7/1993	Calhoun et al.				
	5,271,961	12/21/1993	Mathiowitz et al.				
	5,273,964	12/28/1993	Lemons				
	5,275,826	1/4/1994	Badylak et al.				
	5,278,201	1/11/1994	Dunn et al.				
	5,278,202	1/11/1994	Dunn et al.				
	5,281,419	1/25/1994	Tuan et al.				
	5,281,422	1/25/1994	Badylak et al.				
	5,284,655	2/8/1994	Bogdansky et al.				
	5,286,634	2/15/1994	Stadler et al.				
TS	5,288,496	2/22/1994	Lewis				
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		U.S. PATENT	DOCUMENTS			
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date
SIPE IS	5,290,558	3/1/1994	O'Leary et al.			
10	5,292,802	3/8/1994	Rhee et al.			
144 1 5 2002 H	5,298,254	3/29/1994	Prewett et al.			
FE CONTRACTOR	5,298,422	3/29/1994	Schwartz et al.			
Ze a Fr	5,306,303	4/26/1994	Lynch			
HADE	5,308,623	5/3/1994	Fues et al.			
	5,308,889	5/3/1994	Rhee et al.			
	5,317,010	5/31/1994	Pang et al.			
	5,320,624	6/14/1994	Kaplan et al.			
	5,324,307	6/28/1994	Jarrett et al.			_
	5,324,519	6/28/1994	Dunn et al.			
	5,324,520	6/28/1994	Dunn et al.			
	5,324,775	6/28/1994	Rhee et al.			
	5,324,819	6/28/1994	Oppermann et al.			
-ts	5,326,350	7/5/1994	Li		1	
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		U.S. PATENT	DOCUMENTS			
Examiner Initial*	Document	Date	Name	Class	Sub	Filing Date
SIPE .	Number	54.5		UILUS	Class	If Appropriate
773	5,326,357	7/5/1994	Kandel	1_1_	1	_
MAN 4 5 mm	5,328,955	7/12/1994	Rhee et al.			
July 10 Miles	5,344,654	9/6/1994	Rueger et al.			
, u.S.	5,350,580	9/27/1994	Muchow et al.			
THE PROPERTY OF THE PARTY OF TH	5,352,463	10/4/1994	Badylak et al.			
	5,354,557	10/11/1994	Oppermann et al.			
	5,360,610	11/1/1994	Tice et al.			
	5,362,478	11/8/1994	Desai et al.			
	5,366,508	11/22/1994	Brekke			
	5,366,733	11/22/1994	Brizzolara et al.			
	5,366,734	11/22/1994	Hutchinson			
	5,366,875	11/22/1994	Wozney et al.			
	5,368,858	11/29/1994	Hunziker			
	5,372,821	12/13/1994	Badylak et al.			
+5	5,374,544	12/20/1994	Schwartz et al.		1	
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Applicant	Gregory A. Hair et al.							
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		U.S. PATENT	DOCUMENTS					
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date		
OFF	5,376,118	12/27/1994	Kaplan et al.)			
LAM 5	5,393,739	2/28/1995	Bentz et al.					
44 1 5 2002 S	5,395,620	3/7/1995	Huc et al.					
	5,403,825	4/4/1995	Lagarde et al.					
BADEWARK OF	5,409,896	4/25/1995	Ammann et al.					
	5,411,941	5/2/1995	Grinna et al.					
	5,428,132	6/27/1995	Hirsch et al.					
	5,439,686	8/8/1995	Desai <i>et al.</i>					
	5,445,833	8/29/1995	Badylak <i>et al.</i>					
	5,445,941	8/29/1995	Yang			,		
	5,459,047	10/17/1995	Wozney et al.					
	5,461,034	10/24/1995	Rodan et al.					
	5,470,829	11/28/1995	Prisell et al.					
	5,498,421	3/12/1996	Grinstaff et al.					
75	5,504,192	4/2/1996	Gill et al.					
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date	
15 °C	5,510,396	4/231996	Prewett et al.		1		
JAN 1 5 2002 "	5,513,662	5/7/1996	Morse et al.				
JAN 1 5 2002	5,516,654	5/14/1996	Israel				
TO MAN CON CONTRACT	5,520,923	5/28/1996	Tija et al.				
YAREN .	5,521,067	5/28/1996	Seshi				
	5,525,359	6/11/1996	Allard et al.				
	5,529,914	6/25/1996	Hubbell et al.				
	5,543,158	8/6/1996	Gref et al.				
	5,543,394	8/6/1996	Wozne <i>y et al.</i>				
	5,547,932	8/20/1996	Curiel et al.				
	5,573,934	11/12/1996	Hubbell et al.				
	5,578,567	11/26/1996	Cardinaux et al.				
	5,578,569	11/26/1996	Tam				
	5,578,708	11/26/1996	Okazaki et al.				
+5	5,580,775 .	12/3/1996	Fremeau, Jr. et al.			-	
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OFFE	$\overline{}$	5,580,859	12/3/1996	Felgner et al.		}	1	
	3	5,585,237	12/17/1996	Oppermann et al.				
JAN 1 5 2002	3	5,589,466	12/31/1996	Felgner et al.				
		5,597,897	1/28/1997	Ron et al.				
MANERA CHE	*	5,614,385	3/25/1997	Oppermann et al.	Î			
		5,618,924	48/1997	Wang et al.				
		5,620,867	4/15/1997	Kiefer et al.				
		5,626,611	5/6/1997	Liu et al.			*	
		5,631,142	5/20/1997	Wang et al.				
		5,633,426	5/27/1997	Namikawa et al.				
		5,635,372	6/3/1997	Celeste et al.				
		5,635,373	6/3/1997	Wozney et al.				
		5,635,380	6/3/1997	Naftilan et al.				
		5,637,480	6/10/1997	Celeste et al.				
75		5,639,638	6/17/1997	Wozney et al.			1	
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OIPE		5,641,662	6/24/1997	Debs et al.	1	1			
	À	5,645,591	7/8/1997	Kuberasampath et al.					
2 JAN 1 5 2002	8	5,646,016	7/8/1997	McCoy et al.					
	Ä	5,650,173	7/22/1997	Ramstack et al.					
	9	5,650,276	7/22/1997	Smart et al.					
JAN 1 5 2002		5,656,593	8/12/1997	Kuberasampath et al.					
		5,656,728	8/12/1997	Stashenko et al.					
		5,658,593	8/19/1997	Orly et al.					
		5,661,007	8/26/1997	Wozney et al.					
		5,670,336	9/23/1997	Oppermann et al.					
		5,672,344	9/30/1997	Kelley et al.					
		5,679,377	10/21/1997	Bernstein et al.					
		5,688,678	11/18/1997	Hewick et al.					
		5,693,622	12/2/1997	Wolff et al.					
75		5,693,779	12/2/1997	Moos, Jr. et al.					
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STPETS	5,700,911	12/23/1997	Wozney et al.	1	1			
(Cg)	5,703,043	12/30/1997	Celeste et al.					
JAN 1 5 2002 JJ	5,703,055	12/30/1997	Felgner et al.					
JAN 1 5 2002 J	5,705,270	1/6/1998	Soon-Shiong et al.					
BITTERE	5,705,385	1/6/1988	Bally et al.					
	5,709,854	1/20/1998	Griffith-Cima et al.					
	5,712,119	1/27/1998	Oppermann et al.					
	5,714,589	2/3/1998	Oppermann et al.					
	5,728,679	3/17/1998	Celeste et al.					
	5,756,476	5/26/1998	Epstein et al.					
	5,763,416	6/9/1998	Bonadio et al.					
	5,770,580	6/23/1998	Ledley et al.					
	5,786,327	7/28/1988	Tam					
	5,786,340	7/28/1998	Henning et al.					
TS	5,792,477	8/11/1998	Rickey et al.					
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IS		5,792,751	8/11/1998	Ledley et al.				1	
OFF		5,801,231	9/1/1998	Derynck et al.			(
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